

Table C-4. Employed U.S. scientists and engineers, by level and field of highest degree attained, race/ethnicity, and employment sector: 1993

Level and field of highest degree, and race/ethnicity	Employed S&Es, total	Sector of employment			
		Business/industry	4-yr. College/university	Other educational institution	Government
All degree levels¹					
All degree fields, total	9,793,500	6,661,200	906,100	855,300	1,370,900
White	8,303,300	5,761,300	727,600	715,500	1,098,800
Black	503,100	244,200	46,000	79,800	133,100
Hispanic	306,800	187,100	30,200	34,500	55,000
Asian	650,800	452,200	99,000	22,600	77,000
Other	29,600	16,400	3,300	2,900	7,000
S&E degree fields, total	7,035,800	4,833,700	641,400	539,700	1,021,100
White	5,905,800	4,131,400	509,700	447,900	816,800
Black	357,200	180,200	28,900	51,800	96,300
Hispanic	228,400	145,100	20,200	22,100	41,000
Asian	523,400	364,800	80,500	16,100	62,000
Other	21,000	12,100	2,100	1,800	4,900
Sciences, total	5,202,100	3,372,800	554,200	518,900	756,200
White	4,385,200	2,901,700	447,400	431,100	605,000
Black	314,800	152,800	26,300	50,700	85,100
Hispanic	165,600	96,900	18,000	21,200	29,500
Asian	319,500	212,500	60,800	14,100	32,100
Other	17,000	8,900	1,700	1,800	4,600
Computer/math sciences, total	918,000	677,800	65,500	85,300	89,400
White	744,600	551,600	50,700	73,400	68,900
Black	54,200	32,800	3,100	7,200	11,000
Hispanic	24,900	18,300	1,300	2,200	3,100
Asian	91,600	73,000	10,300	2,400	5,900
Other	2,800	2,000	100	100	500
Life/related sciences, total	1,073,100	643,900	186,600	93,600	149,000
White	914,100	561,300	150,200	79,700	123,000
Black	48,500	23,000	7,300	7,600	10,500
Hispanic	35,100	19,500	6,200	3,200	6,200
Asian	71,900	38,300	22,500	2,800	8,200
Other	3,600	1,700	400	300	1,100
Physical/related sciences, total	599,800	391,100	93,100	36,100	79,400
White	506,300	335,200	72,700	30,700	67,700
Black	20,700	12,000	1,800	2,300	4,500
Hispanic	15,200	8,800	3,000	1,400	2,000
Asian	55,300	33,800	15,200	1,500	4,800
Other	2,200	1,400	300	100	400
Social/related sciences, total	2,611,200	1,660,000	208,900	303,900	438,400
White	2,220,200	1,453,700	173,800	247,200	345,500
Black	191,500	85,000	14,000	33,500	59,000
Hispanic	90,400	50,200	7,500	14,500	18,200
Asian	100,700	67,300	12,800	7,400	13,200
Other	8,400	3,800	800	1,200	2,500

See explanatory information, if any, and SOURCE at end of table.

Table C-4. Employed U.S. scientists and engineers, by level and field of highest degree attained, race/ethnicity, and employment sector: 1993

Level and field of highest degree, and race/ethnicity	Employed S&Es, total	Sector of employment			
		Business/ industry	4-yr. College/ university	Other educational institution	Government
All degree levels¹ — continued					
Engineering, total	1,833,700	1,460,900	87,200	20,800	264,800
White	1,520,600	1,229,700	62,300	16,800	211,800
Black	42,400	27,500	2,600	1,100	11,300
Hispanic	62,800	48,200	2,200	900	11,500
Asian	203,900	152,300	19,700	2,000	29,900
Other	4,000	3,200	400	100	300
Non-S&E degree fields, total	2,757,700	1,827,500	264,700	315,700	349,800
White	2,397,500	1,629,900	217,900	267,600	282,000
Black	145,900	64,000	17,200	28,000	36,800
Hispanic	78,300	42,000	10,000	12,400	14,000
Asian	127,400	87,400	18,500	6,400	15,000
Other	8,600	4,200	1,100	1,100	2,100
Bachelor's					
All degree fields, total	5,727,200	4,242,600	290,100	363,000	831,500
White	4,866,300	3,681,800	231,000	295,300	658,200
Black	320,100	175,500	19,200	37,300	88,100
Hispanic	191,500	127,900	10,800	16,800	36,100
Asian	330,900	246,400	28,000	12,200	44,400
Other	18,400	11,100	1,200	1,400	4,600
S&E degree fields, total	5,172,600	3,806,800	263,200	335,300	767,200
White	4,388,400	3,299,900	209,900	272,000	606,600
Black	290,700	156,300	17,300	35,200	81,900
Hispanic	177,300	118,200	9,800	15,800	33,500
Asian	300,800	222,500	25,700	11,000	41,500
Other	15,600	9,900	600	1,300	3,800
Sciences, total	3,814,400	2,698,700	231,400	319,400	564,900
White	3,228,300	2,339,800	185,500	259,100	444,000
Black	255,200	133,200	15,900	34,200	71,900
Hispanic	128,400	80,500	8,800	15,000	24,200
Asian	189,700	138,100	20,600	9,800	21,200
Other	12,700	7,200	600	1,200	3,600
Computer/math sciences, total	663,800	521,200	24,800	50,800	66,900
White	546,100	433,500	19,400	42,900	50,300
Black	45,500	29,100	1,800	4,700	9,900
Hispanic	20,600	15,700	600	1,800	2,600
Asian	49,600	41,400	3,000	1,400	3,800
Other	2,100	1,600	100	100	300
Life/related sciences, total	773,600	526,400	79,200	59,600	108,300
White	667,400	464,700	63,600	49,900	89,200
Black	38,500	20,000	4,500	5,400	8,600
Hispanic	26,000	15,700	3,300	2,000	5,000
Asian	39,100	24,600	7,700	2,200	4,600
Other	2,600	1,400	200	200	900

See explanatory information, if any, and SOURCE at end of table.

Table C-4. Employed U.S. scientists and engineers, by level and field of highest degree attained, race/ethnicity, and employment sector: 1993

Level and field of highest degree, and race/ethnicity	Employed S&Es, total	Sector of employment			
		Business/industry	4-yr. College/university	Other educational institution	Government
Bachelor's — continued					
Physical/related sciences, total	372,500	269,900	31,600	21,100	50,100
White	318,700	234,600	24,900	17,500	41,600
Black	16,000	10,300	800	1,400	3,500
Hispanic	10,200	6,300	1,400	900	1,600
Asian	26,100	17,600	4,400	1,100	3,000
Other	1,600	1,100	100	100	300
Social/related sciences, total	2,004,400	1,381,200	95,700	187,900	339,600
White	1,696,100	1,207,000	77,500	148,800	262,800
Black	155,300	73,800	8,700	22,700	50,000
Hispanic	71,700	42,800	3,500	10,400	15,000
Asian	75,000	54,500	5,600	5,200	9,800
Other	6,300	3,100	300	900	2,000
Engineering, total	1,358,300	1,108,100	31,900	16,000	202,300
White	1,160,100	960,100	24,400	12,900	162,500
Black	35,500	23,100	1,400	1,000	9,900
Hispanic	48,800	37,800	1,000	700	9,300
Asian	111,100	84,400	5,100	1,200	20,300
Other	2,900	2,600	S	100	200
Non-S&E degree fields, total	554,500	435,800	26,900	27,600	64,200
White	477,900	381,900	21,100	23,300	51,700
Black	29,400	19,100	2,000	2,100	6,300
Hispanic	14,300	9,700	1,000	1,000	2,600
Asian	30,100	23,800	2,200	1,100	2,900
Other	2,800	1,200	600	200	900
Master's					
All degree fields, total	2,575,600	1,523,200	224,500	447,200	380,800
White	2,155,400	1,291,500	174,200	381,300	308,400
Black	129,400	45,300	11,100	39,300	33,700
Hispanic	73,100	36,700	7,200	16,000	13,100
Asian	210,700	146,500	31,400	9,100	23,700
Other	7,000	3,100	600	1,400	1,900
S&E degree fields, total	1,328,400	798,300	138,000	190,100	202,000
White	1,078,900	648,600	100,800	163,500	166,100
Black	54,900	20,400	5,600	16,100	12,900
Hispanic	37,000	20,800	4,200	5,800	6,200
Asian	154,000	106,900	26,900	4,400	15,900
Other	3,600	1,700	500	500	900
Sciences, total	937,700	495,900	110,500	185,800	145,500
White	778,600	412,800	84,100	160,000	121,600
Black	49,000	16,500	4,900	16,000	11,600
Hispanic	24,900	11,500	3,600	5,700	4,200
Asian	82,500	53,900	17,700	3,600	7,300
Other	2,700	1,200	200	500	800

See explanatory information, if any, and SOURCE at end of table.

Table C-4. Employed U.S. scientists and engineers, by level and field of highest degree attained, race/ethnicity, and employment sector: 1993

Level and field of highest degree, and race/ethnicity	Employed S&Es, total	Sector of employment			
		Business/ industry	4-yr. College/ university	Other educational institution	Government
Master's — continued					
Computer/math sciences, total	221,400	145,900	20,500	33,800	21,200
White	172,600	110,000	15,300	29,900	17,400
Black	8,300	3,600	1,000	2,500	1,100
Hispanic	3,500	2,500	100	400	500
Asian	36,400	29,400	4,100	900	2,000
Other	600	400	S	S	200
Life/related sciences, total	151,000	67,100	28,900	31,000	24,000
White	125,600	56,800	21,500	27,200	20,000
Black	6,800	2,200	1,200	2,200	1,300
Hispanic	3,700	1,400	600	1,000	700
Asian	14,400	6,600	5,500	500	1,800
Other	600	200	100	100	200
Physical/related sciences, total	111,300	62,700	17,200	12,800	18,600
White	92,800	52,800	11,900	11,400	16,600
Black	3,200	1,200	300	800	800
Hispanic	2,900	1,600	800	400	200
Asian	12,200	6,900	4,200	200	900
Other	300	200	S	S	100
Social/related sciences, total	453,900	220,100	43,900	108,200	81,800
White	387,700	193,200	35,500	91,500	67,500
Black	30,700	9,500	2,300	10,400	8,300
Hispanic	14,800	6,100	2,100	3,900	2,700
Asian	19,500	10,900	3,900	2,100	2,700
Other	1,300	400	100	300	400
Engineering, total	390,700	302,400	27,500	4,300	56,500
White	300,300	235,800	16,600	3,400	44,400
Black	5,900	3,800	700	100	1,300
Hispanic	12,100	9,300	700	100	2,100
Asian	71,600	53,000	9,200	700	8,600
Other	900	500	300	S	100
Non-S&E degree fields, total	1,247,100	724,900	86,500	257,100	178,700
White	1,076,600	642,900	73,500	217,800	142,300
Black	74,500	25,000	5,500	23,200	20,800
Hispanic	36,000	15,900	3,000	10,200	6,900
Asian	56,700	39,600	4,500	4,800	7,800
Other	3,400	1,400	S	1,000	900
Doctorate					
All degree fields, total	634,800	263,500	280,100	32,000	59,100
White	520,800	212,900	231,600	26,700	49,700
Black	20,500	5,300	9,500	2,900	2,900
Hispanic	16,800	6,700	7,100	1,400	1,600
Asian	74,300	37,600	30,800	1,000	4,800
Other	2,400	1,000	1,100	100	200

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Level and field of highest degree, and race/ethnicity	Employed S&Es, total	Sector of employment			
		Business/industry	4-yr. College/university	Other educational institution	Government
Doctorate — continued					
S&E degree fields, total	529,200	225,900	239,500	12,500	51,300
White	433,700	180,500	198,600	10,700	43,900
Black	11,300	3,400	5,900	500	1,500
Hispanic	13,900	6,100	6,100	500	1,100
Asian	68,500	35,400	27,900	700	4,500
Other	1,800	600	900	100	200
Sciences, total	444,500	175,600	211,700	12,000	45,300
White	373,600	146,800	177,400	10,300	39,000
Black	10,200	2,800	5,400	500	1,500
Hispanic	12,000	4,900	5,600	500	1,000
Asian	47,200	20,500	22,400	700	3,500
Other	1,600	500	800	100	200
Computer/math sciences, total	32,800	10,700	20,200	700	1,300
White	26,000	8,200	16,100	600	1,100
Black	400	100	300	S	S
Hispanic	800	200	600	S	S
Asian	5,600	2,200	3,100	100	100
Other	100	S	S	S	S
Life/related sciences, total	148,500	50,300	78,500	3,000	16,700
White	121,100	39,800	65,100	2,600	13,700
Black	3,100	900	1,600	100	600
Hispanic	5,400	2,400	2,300	200	500
Asian	18,400	7,100	9,300	200	1,800
Other	400	100	200	S	100
Physical/related sciences, total	115,900	58,500	44,400	2,200	10,800
White	94,900	47,800	35,900	1,800	9,400
Black	1,500	500	700	100	300
Hispanic	2,100	1,000	900	100	200
Asian	17,100	9,200	6,600	200	1,000
Other	300	100	100	S	S
Social/related sciences, total	147,300	56,000	68,700	6,100	16,500
White	131,600	51,100	60,300	5,400	14,800
Black	5,200	1,500	2,800	300	600
Hispanic	3,700	1,300	1,800	200	400
Asian	6,100	1,900	3,300	200	600
Other	800	200	400	S	100
Engineering, total	84,700	50,400	27,800	500	6,000
White	60,200	33,700	21,200	500	4,800
Black	1,100	500	500	S	100
Hispanic	1,900	1,200	500	S	100
Asian	21,300	14,900	5,400	S	1,000
Other	200	100	100	S	S

See explanatory information, if any, and SOURCE at end of table.

Table C-4. Employed U.S. scientists and engineers, by level and field of highest degree attained, race/ethnicity, and employment sector: 1993

Level and field of highest degree, and race/ethnicity	Employed S&Es, total	Sector of employment			
		Business/ industry	4-yr. College/ university	Other educational institution	Government
Doctorate — continued					
Non-S&E degree fields, total	105,600	37,600	40,600	19,500	7,900
White	87,000	32,400	32,900	15,900	5,800
Black	9,200	1,900	3,500	2,400	1,300
Hispanic	3,000	600	1,000	900	400
Asian	5,800	2,200	2,900	300	300
Other	600	400	200	S	S

1 Includes professional degrees

NOTES: The term "Scientists and Engineers" (S&Es) includes all persons who have ever received a bachelor's degree or higher in a science or engineering (S&E) field, plus persons holding a non-S&E bachelor's or higher degree who are employed in an S&E occupation.
Figures are rounded to nearest hundred. Details may not add to total because of rounding.

KEY: S = Suppressed for reasons of confidentiality and/or data reliability

SOURCE: National Science Foundation/Science Resources Studies Division, 1993 SESTAT (Scientists and Engineers Statistical Data System)